

ABSTRACT OF THE DISCLOSURE

A method and system for controlling brake-application energy in a tractor-trailer vehicle combination, the tractor vehicle having an electronic braking system (EBS), wherein, during braking, a set deceleration value is determined and compared with an actual deceleration value, and a current brake-application energy reference value (κ) is determined from the comparison. To effect automatic load-dependent brake-force control for the trailer vehicle and to realize rapid adaptation of the control system to driving and load conditions, set brake-application energy values for each of the tractor and trailer vehicles are determined from the set deceleration value, from a value depending on κ , and from brake-application energy levels for each of the tractor and trailer vehicles, using sets of performance characteristics resident in the EBS to describe the dependencies of the brake-application energy levels for the tractor and trailer vehicles on κ and/or on the axle-load ratio of the tractor vehicle.